

## INTERNATIONAL SEARCH REPORT

ational Application No

PCT/IB2004/050036

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G10L19/00 G10L19/02 G06T1/00 H04N7/24 G11B20/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G10L G06T H04N G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/044899 A1 (LEVY KENNETH L) 22 November 2001 (2001-11-22) page 3, right-hand column, paragraph 31 -page 4, left-hand column, paragraph 31 ---	1-8, 11-13
X	EP 0 812 070 A (TELEDIFFUSION FSE ;FRANCE TELECOM (FR)) 10 December 1997 (1997-12-10) page 12, line 33 - line 53 ---	1-5,9-13
A	US 2001/054150 A1 (LEVY KENNETH L) 20 December 2001 (2001-12-20) page 4, right-hand column, paragraph 50 -page 5, left-hand column, paragraph 50 page 5, right-hand column, paragraph 59 - paragraph 62 ----- -/--	1-8, 11-13



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

4 June 2004

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17/06/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 508 581 A (AMERICAN TELEPHONE & TELEGRAPH) 14 October 1992 (1992-10-14) page 4, line 6 - line 7 page 4, line 33 -page 5, line 11 -----	1-5, 9-13

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/050036

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2001044899	A1	22-11-2001	US 6505160 B1	07-01-2003
			AU 3458101 A	07-08-2001
			AU 4745701 A	03-10-2001
			EP 1257931 A1	20-11-2002
			EP 1266475 A1	18-12-2002
			JP 2003524199 T	12-08-2003
			JP 2003528538 T	24-09-2003
			WO 0155889 A1	02-08-2001
			WO 0171960 A1	27-09-2001
			US 2003012403 A1	16-01-2003
			US 2003021441 A1	30-01-2003
			US 2003174861 A1	18-09-2003
			US 2003167173 A1	04-09-2003
			US 2001031066 A1	18-10-2001
			AU 3736800 A	28-09-2000
			CA 2364433 A1	14-09-2000
			EP 1157499 A1	28-11-2001
			JP 2002539487 T	19-11-2002
			WO 0054453 A1	14-09-2000
			US 2001054150 A1	20-12-2001
			US 2001036292 A1	01-11-2001
EP 0812070	A	10-12-1997	FR 2749723 A1	12-12-1997
			DE 69725650 D1	27-11-2003
			EP 0812070 A1	10-12-1997
US 2001054150	A1	20-12-2001	AU 4745701 A	03-10-2001
			EP 1266475 A1	18-12-2002
			JP 2003528538 T	24-09-2003
			WO 0171960 A1	27-09-2001
			US 2001036292 A1	01-11-2001
			US 2001044899 A1	22-11-2001
			AU 3281702 A	01-07-2002
			AU 7704701 A	05-02-2002
			CA 2416530 A1	31-01-2002
			EP 1311973 A1	21-05-2003
			JP 2004505349 T	19-02-2004
			WO 0208945 A1	31-01-2002
			WO 0251063 A1	27-06-2002
			US 2002126872 A1	12-09-2002
			US 2003012548 A1	16-01-2003
			US 2002118394 A1	29-08-2002
			US 2002120839 A1	29-08-2002
			US 2001037313 A1	01-11-2001
			US 2002052885 A1	02-05-2002
EP 0508581	A	14-10-1992	US 5559900 A	24-09-1996
			CA 2061366 A1	13-09-1992
			DE 69219943 D1	03-07-1997
			DE 69219943 T2	02-01-1998
			EP 0508581 A2	14-10-1992
			JP 2045196 C	09-04-1996
			JP 5122166 A	18-05-1993
			JP 7079312 B	23-08-1995
			KR 273071 B1	01-12-2000